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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/645,254	08/24/2000	Byung Taek Kim	CHUNP0155US	8529

7590 06/17/2002

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EXAMINER

LEE, BENNY T

ART UNIT

PAPER NUMBER

2817

DATE MAILED: 06/17/2002

Please find below and/or attached an Office communication concerning this application or proceeding.



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09645254			

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7	

DATE MAILED:

This is a communication from the examiner in charge of your application.

COMMISSIONER OF PATENTS AND TRADEMARKS

This application has been examined

Responsive to communication filed on 1 April 1962  This action is made final.

A shortened statutory period for response to this action is set to expire 16 (3) month(s), 0 days from the date of this letter.  
Failure to respond within the period for response will cause the application to become abandoned. 35 U.S.C. 133

Part I THE FOLLOWING ATTACHMENT(S) ARE PART OF THIS ACTION:

1. <input type="checkbox"/> Notice of References Cited by Examiner, PTO-892.	2. <input type="checkbox"/> Notice re Patent Drawing, PTO-948.
3. <input type="checkbox"/> Notice of Art Cited by Applicant, PTO-1449	4. <input type="checkbox"/> Notice of Informal Patent Application, Form PTO-152
5. <input type="checkbox"/> Information on How to Effect Drawing Changes, PTO-1474	6. <input type="checkbox"/>

Part II SUMMARY OF ACTION

1.  Claims 1 - 10, 12 are pending in the application.

Of the above, claims \_\_\_\_\_ are withdrawn from consideration.

2.  Claims 11 have been cancelled.

3.  Claims \_\_\_\_\_ are allowed.

4.  Claims 1 - 10, 12 are rejected.

5.  Claims \_\_\_\_\_ are objected to.

6.  Claims \_\_\_\_\_ are subject to restriction or election requirement.

7.  This application has been filed with informal drawings which are acceptable for examination purposes until such time as allowable subject matter is indicated.

8.  Allowable subject matter having been indicated, formal drawings are required in response to this Office action.

9.  The corrected or substitute drawings have been received on \_\_\_\_\_. These drawings are  acceptable;  not acceptable (see explanation).

10.  The  proposed drawing correction and/or the  proposed additional or substitute sheet(s) of drawings, filed on \_\_\_\_\_ has (have) been  approved by the examiner.  disapproved by the examiner (see explanation).

11.  The proposed drawing correction, filed 1 April 2002, has been  approved.  disapproved (see explanation). However, the Patent and Trademark Office no longer makes drawing changes. It is now applicant's responsibility to ensure that the drawings are corrected. Corrections MUST be effected in accordance with the instructions set forth on the attached letter "INFORMATION ON HOW TO EFFECT DRAWING CHANGES", PTO-1474.

12.  Acknowledgment is made of the claim for priority under 35 U.S.C. 119. The certified copy has  been received  not been received  been filed in parent application, serial no. \_\_\_\_\_; filed on \_\_\_\_\_.

13.  Since this application appears to be in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under Ex parte Quayle, 1935 C.D. 11; 453 O.G. 213.

14.  Other

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**DETAILED ACTION**

The disclosure is objected to because of the following informalities: In the replacement paragraph to pages 17,18, 6th line thereof, note that --(see Fig. 6A)-- should still follow "altered" for clarity. Moreover, in figs. 2, 6A, the previously indicated descriptive wording still needs to be described in the specification. Likewise in figs. 4A, 5B, 6A, the aforementioned reference labels need to be explicitly described in the specification description of these drawing figures.

Additionally, newly added reference labels (325a, 325b, 325c) need description relative to fig. 4A and newly added reference labels (310, 320) need description in fig. 6. Furthermore, it is unclear if the amended reference labels in fig. 5B have been correspondingly described in the specification. Appropriate correction is required.

The drawings are objected to because of the following: In fig. 3, note that it is again inquired whether the central reference label "114b" should correctly be --114c--?; In fig. 4, note that reference label --205-- needs to be provided so as to be commensurate with the amended description; In fig. 4A, note that present reference label "310" appears that it should correctly be -  
-301-- and reference label --305-- needs to be provided so as to be commensurate with the amended specification. A proposed drawing correction or corrected drawings are required in reply to the Office action to avoid abandonment of the application. The objection to the drawings will not be held in abeyance.

The following suggestions have been proffered by the examiner as non-limiting changes to the claims, and should be adopted by applicants':

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In claim 1, fourth paragraph, note that --a-- should precede “plurality of resonators” for clarity.

In claim 12, third paragraph, “its internal surface” should be rephrased as --the internal surface thereof-- for clarity.

The text of those sections of Title 35, U.S. Code not included in this action can be found in a prior Office action.

Claims 1-10; 12 are rejected under 35 U.S.C. 103(a) as being unpatentable over Zakman in view of McVeety et al (both of record) for reasons of record.

Applicant's arguments filed 1 April 2002 have been fully considered but they are not persuasive.

Applicants' have argued that in their invention the “open area” is disposed only with respect to the reception area, and that the unmetallized area in McVeety et al is unspecified as to whether it acts on the transmission or reception area.

Applicants' argument has been noted, but is found not to be commensurate with what is claimed. It should be noted that independent claims 1 & 12 both define the “open area” as being “disposed on at least a part of said side surface ... corresponding to the reception area”. This recitation in it's broadest sense certainly would encompass the “reception area”, but because of the “at least a part” recitation would not necessary limit such “open area” just to the reception area. In other words, “at least a part ...” certainly would encompass other parts of the side surface (e.g. the transmission side, the input/output). Accordingly, the unspecified area encompassed by

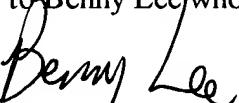
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the unmetallized area of McVeety et al when combined with Zakman obviously would have met the claimed invention when viewed with it's broadest interpretation. Moreover, it should be noted that no where in claims 1 & 12 does the claim explicitly limit the "open area" to only the "reception area". Therefore, the rejection of record is sustained for reasons of record.

**THIS ACTION IS MADE FINAL.** Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the mailing date of this final action.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Benny Lee whose telephone number is (703) 308 4902.

  
BENNY T. LEE  
PRIMARY EXAMINER  
ART UNIT 2817

B. Lee

June 14, 2002